

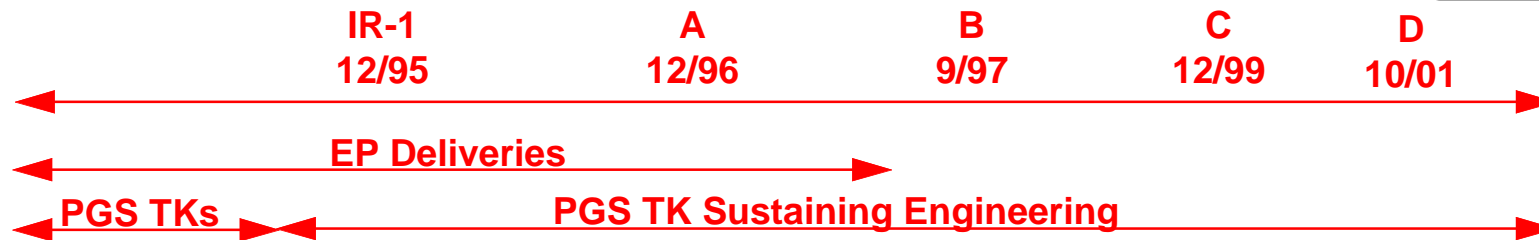
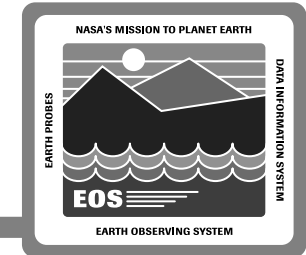


SDPS Release Plan

Steve Fox

System Design Review - 29 June 1994

Release Plan Overview



Criteria for Capability Phasing

- Support mission critical requirements for each release
- Develop infrastructure as early as possible
- Remaining capabilities influenced by COTS availability/dev schedules

Early Component Deliveries

- PGS Toolkit - enable science software teams to design/develop prior to ECS release
- Evaluation Packages (EPs)
 - Obtain user feedback on planned capabilities & refine requirements
 - 4 EP deliveries to DAACs during Release A/B development
 - Phasing of capabilities to be determined jointly by ECS, ESDIS, and users

SDPS Release IR-1 Capabilities



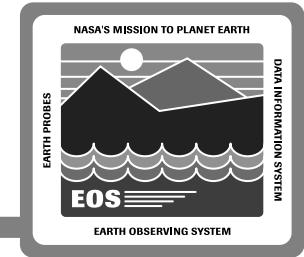
SDPF and TSDIS interface testing

Generation of production plan with manual submission of processing requests

TRMM Version 1, AM-1 Beta/Version 1 Science S/W support
*Algorithm Development Libraries (PGS Toolkit)**
Basic tools / scripts for I&T
Production plan execution on single platform
Automatic (non-predictive) staging
GUI for View, Monitor and Control

**denotes early component delivery*

SDPS Release A Capabilities



EDOS interface testing
Landsat-7 interface testing
TRMM and selected V0 Data
Ingest preparation toolkit

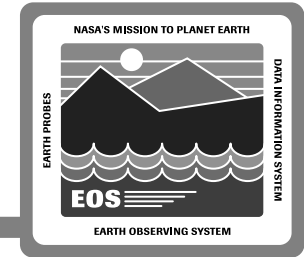
Automatic submission of processing requests
Limited replanning support for reprocessing & on-demand processing

Tools / Scripts for I&T, QA, and Ancillary data preprocessing
Production plan execution across multiple platforms

*Basic desktop functions**
*Basic scientist workbench functions**
*Visualization tools**

**denotes early component delivery*

SDPS Release A Capabilities (cont)



*Basic advertising services with text search and hyperlink capabilities **

Basic LIM functions for cross Data Server queries
Spatial/Temporal coincident searches within a site*
Basic data dictionary functions**

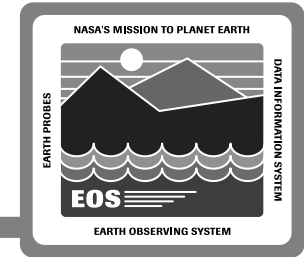
Basic archive, distribution, and access functions for TRMM and selected V0 data

Metadata search/update functions
Hypertext, attribute, temporal, spatial (MBR, point-radius) searches**

Two-way interoperability with V0
One-way interoperability with NOAA and CIESIN*
Local data access services**

**denotes early component delivery*

SDPS Release B Capabilities



**EDOS and remaining V0 Data
Landsat-7, COLOR, ADEOS II Data**

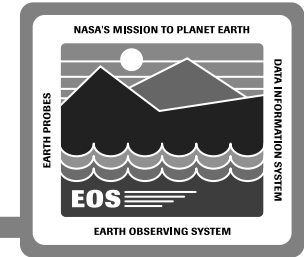
**Generation of production plans with complex strategies
Cross site planning functions**

**Additional I&T, QA, and Ancillary data tools
Enhanced queuing and staging across multiple platforms**

***Enhanced desktop functions**
*Additional scientist workbench functions**
*DAR Planning tools****

**denotes early component delivery*

SDPS Release B Capabilities (cont)



*Enhanced advertising services**

ECS Service Provider interface APIs

*Basic DIM functions for cross site queries**

*Enhanced LIM functions for cross Data Server queries**

*Enhanced Data Dictionary functions**

Archive, distribution, and access functions for AM-1,
COLOR, Landsat-7, and V0 data

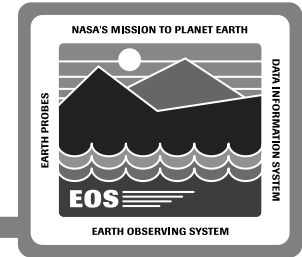
*Spatial queries with polygon searches**

Data subsetting

Ability to incorporate user defined methods

*denotes early component delivery

SDPS Release C/D Capabilities



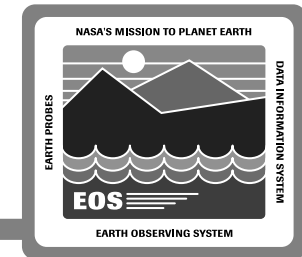
Two-way interoperability with NOAA and CIESIN

Enhanced DIM capabilities

Support for additional missions

Evolutionary enhancements

SDPS Subsystem KLOC* By Release



Subsystem	I R - 1	Release A	Release B	Release C/ D	Totals
Client	0	27	17	7	51
Data Mgmt	0	10	17	22	49
Data Server	2	75	70	16	163
Ingest	7	8	5	2	22
Interoperability	0	5	2	1	8
Planning	10	17	14	0	41
Processing	50	26	26	17	119
Totals:	69	168	151	65	
				SDPS Total =	453

***Developed lines of code x1000**

Collaboration Needed for PDR



Architecture Working Group (ongoing)

- **Work through SDR issues**
- **Review/feedback on preliminary design**

Reconcile metadata baseline with producers/consumers (10/94)

Refine system model (ongoing)

Define product resource requirements for AM baseline (9/94)

Clarify user/data policy for Release A/B timeframe (10/94)